

a tubular body having a lumen extending from a first end thereof to a second end thereof, the lumen having an external opening adjacent the first end for dispensing a diagnostic fluid into the interior of a subject uterus; and

a balloon disposed marginally adjacent to the first end of the body for fluid sealing the interior of the subject uterus;

the lumen having a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening.

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9.(AMENDED) A catheter apparatus useful for non-surgical entry into a uterus to dispense a diagnostic fluid therein, the catheter apparatus comprising:

a catheter;

a syringe for delivering the diagnostic fluid into the catheter;

the catheter having a balloon disposed marginally adjacent to a first end thereof for fluid sealing the interior of the subject uterus, a lumen extending from the first end to a second end of the catheter, the lumen having an external opening adjacent the first end for dispensing the diagnostic fluid into the interior of a subject uterus and a second opening in fluid communication with the interior of the balloon for inflation thereof with the diagnostic fluid;

wherein the external opening adjacent the first end generates a back-flow within the lumen which causes the fluid to enter and inflate the balloon through the second opening.

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Please add the following claims:

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22.(NEW) The catheter according to claim 1, wherein the external opening has a predetermined area and the second opening has a predetermined area, the predetermined area of the second opening being greater than the predetermined area of the external opening.

A3 23.(NEW) The catheter apparatus according to claim 9, wherein the external opening has a predetermined area and the second opening has a predetermined area, the predetermined area of the second opening being greater than the predetermined area of the external opening.

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